

February 1, 2015 Winter Storm

A winter storm deepened as it tracked from the Midwest across the southern Great Lakes region on Sunday, February 1, 2015. A long west-east oriented precipitation shield resulted in Winter Storm Warnings from Iowa to New York. The heaviest snow fell across northern Illinois, northern Indiana, and southern Lower Michigan. Grand Rapids and Lansing both set daily snowfall records on February 1st. This storm was the 5th largest snowstorm on record for Chicago, where 19.3 inches fell. Winds increased on the afternoon and evening of February 1st, gusting to 30-35 mph across Lower Michigan. The wind was a significant factor in creating blowing snow, very low visibilities, and deep drifts. Arctic air wrapped in behind the storm system and skies cleared during the early morning hours of February 2nd, resulting in low temperatures in the single digits with wind chills down to -10 to -15 degrees.

Observed Snowfall

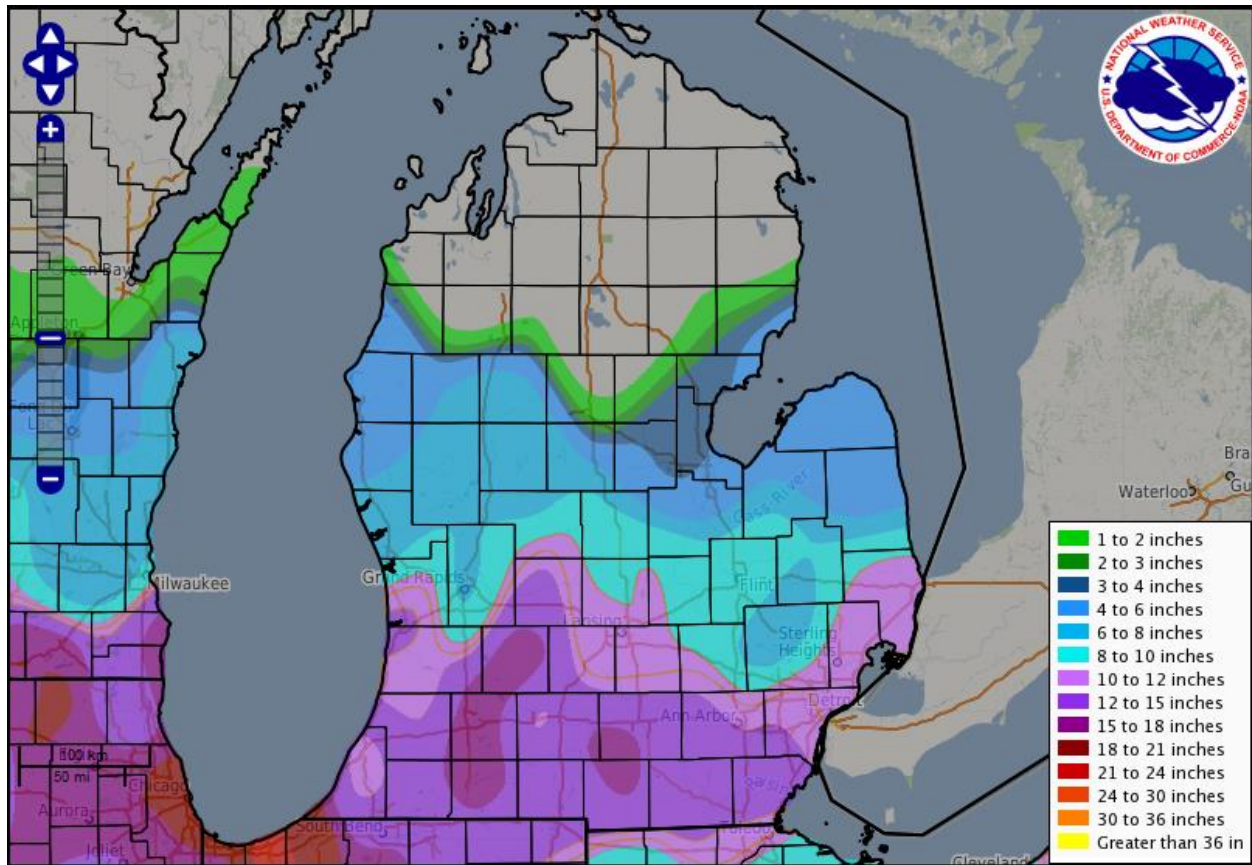


Figure 1: Storm total snowfall through 7 AM EST Monday, February 2, 2015

Winter Precipitation Summary – National Weather Service Grand Rapids, MI

Snow Reports

LOCATION	AMOUNT	TIME/DATE	LAT/LON
...ALLEGAN COUNTY...			
WAYLAND 2.0 W	11.1 IN	0817 AM 02/02	42.67N/85.68W
HOPKINS 1 N	10.8 IN	0700 AM 02/02	42.64N/85.76W
...BARRY COUNTY...			
HASTINGS 4.3 SSW	18.0 IN	0635 AM 02/02	42.59N/85.32W
3 SW IRVING	14.5 IN	0830 AM 02/02	42.66N/85.47W
3 WNW DELTON	14.0 IN	0645 AM 02/02	42.52N/85.46W
HASTINGS	12.5 IN	0700 AM 02/02	42.65N/85.30W
...CALHOUN COUNTY...			
BATTLE CREEK	18.5 IN	1200 AM 02/02	42.30N/85.23W
...CLINTON COUNTY...			
2 NE BATH	13.6 IN	0900 AM 02/02	42.84N/84.42W
SAINT JOHNS	9.2 IN	0700 AM 02/02	43.02N/84.55W
4 SSE BATH	9.0 IN	0845 AM 02/02	42.77N/84.41W
...EATON COUNTY...			
BELLEVUE	12.0 IN	0421 AM 02/02	42.44N/85.01W
LANSING 4WSW	9.7 IN	0700 AM 02/02	42.72N/84.63W
...GRATIOT COUNTY...			
ALMA	5.5 IN	0700 AM 02/02	43.38N/84.67W
...INGHAM COUNTY...			
LANSING 1.9 WSW	12.0 IN	0735 AM 02/02	42.70N/84.59W
OKEMOS	11.8 IN	0830 AM 02/02	42.71N/84.41W
3 ESE LANSING	10.0 IN	1210 AM 02/02	42.69N/84.50W
...ISABELLA COUNTY...			
5 SW SHEPHERD	6.0 IN	1200 AM 02/02	43.48N/84.77W
MOUNT PLEASANT	6.0 IN	1000 PM 02/01	43.59N/84.78W
...JACKSON COUNTY...			
4 NNE SANDSTONE	14.3 IN	0645 AM 02/02	42.31N/84.48W
4 ENE RIVES JUNCTION	12.9 IN	0830 AM 02/02	42.42N/84.39W
...KALAMAZOO COUNTY...			
KALAMAZOO 6.0 SW	17.0 IN	0819 AM 02/02	42.21N/85.66W
2 NE GALESBURG	15.3 IN	0845 AM 02/02	42.31N/85.40W
OSHTIMO	15.0 IN	1227 AM 02/02	42.26N/85.68W
SCHOOLCRAFT	15.0 IN	0930 PM 02/01	42.12N/85.63W
2 SSE KALAMAZOO	14.2 IN	1100 PM 02/01	42.25N/85.57W
1 WNW KALAMAZOO	14.1 IN	1200 AM 02/02	42.28N/85.61W
PORTAGE	13.7 IN	1145 PM 02/01	42.20N/85.59W
...KENT COUNTY...			
1 E KENTWOOD	10.5 IN	0209 AM 02/02	42.88N/85.58W
EAST GRAND RAPIDS	9.1 IN	0830 AM 02/02	42.94N/85.61W
NWS GRAND RAPIDS	9.1 IN	0100 AM 02/02	42.89N/85.54W

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2 S ROCKFORD	8.8 IN	0830 AM 02/02	43.10N/85.56W
...MASON COUNTY...			
SCOTTVILLE 6.6 NNW	4.1 IN	0604 AM 02/02	44.04N/86.34W
...MECOSTA COUNTY...			
BIG RAPIDS WATER WORKS	6.2 IN	0700 AM 02/02	43.70N/85.48W
...MONTCALM COUNTY...			
GREENVILLE	7.0 IN	0700 AM 02/02	43.18N/85.25W
3 W HOWARD CITY	6.0 IN	0800 AM 02/01	43.40N/85.53W
STANTON 5.0 ENE	6.0 IN	0724 AM 02/02	43.31N/84.99W
...MUSKEGON COUNTY...			
MUSKEGON 4SE	6.5 IN	0700 AM 02/02	43.18N/86.20W
...NEWAYGO COUNTY...			
4 WSW FREMONT	6.7 IN	0700 AM 02/02	43.45N/86.03W
WHITE CLOUD 7.5 ENE	4.1 IN	0808 AM 02/02	43.61N/85.64W
...OCEANA COUNTY...			
HART	6.0 IN	0700 AM 02/02	43.70N/86.37W
3 NW NEW ERA	5.0 IN	1145 PM 02/01	43.58N/86.39W
...OTTAWA COUNTY...			
HOLLAND	11.0 IN	0630 AM 02/02	42.80N/86.12W
ALLENDAL 1.3 SSW	5.8 IN	0734 AM 02/02	42.97N/85.96W
...VAN BUREN COUNTY...			
PAW PAW 3.6 NNE	15.8 IN	0736 AM 02/02	42.27N/85.86W
MATTAWAN	13.0 IN	1140 PM 02/01	42.21N/85.79W
BLOOMINGDALE COOP	12.0 IN	0530 AM 02/02	42.38N/85.96W

OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING EQUIPMENT AND EXPOSURE. NOT ALL DATA LISTED ARE CONSIDERED OFFICIAL.